resolves to invite

1 the ITU Council, at its 1998 session, on the basis of information provided by the Radiocommunication Bureau and the General Secretariat and taking into account the views of the relevant organs of the Union, undertake an analysis as outlined under *noting* above, with a view to recommending a definitive course of action to the 1998 Plenipotentiary Conference on the feasibility of extending the interval between world radiocommunication conferences;

2 the 1998 Plenipotentiary Conference to determine an appropriate strategy and indicate in its decision whether changes to the Constitution and Convention will be required;

3 the 1998 Plenipotentiary Conference also to consider the feasibility of scheduling conferences in the future on a single theme or a limited number of themes,

invites the Secretary-General

to include this issue, as a matter of urgency, on the agenda of 1998 session of the ITU Council.

RESOLUTION GTPLEN1-3 (WRC-97)

AGENDA FOR THE 1999 WORLD RADIOCOMMUNICATION CONFERENCE

The World Radiocommunication Conference (Geneva, 1997),

considering

a) that in accordance with Nos. 118 and 126 of the Convention of the International Telecommunication Union (Geneva, 1992), the general scope of the agenda for a world radiocommunication conference should be established four years in advance and a final agenda shall be established two years before the conference;

b) Article 13 of the Constitution of the International Telecommunication Union (Geneva, 1992) regarding the competence and scheduling of world radiocommunication conferences and Article 7 of the Convention (Geneva, 1992) regarding their agendas;

c) the relevant Resolutions and Recommendations of previous world administrative radio conferences (WARC) and world radiocommunication conferences (WRC),

recognizing

a) that this Conference has identified a number of urgent issues requiring further examination by the 1999 World Radiocommunication Conference (WRC-99);

b) that in preparing this agenda, many proposals from administrations could not be included and have had to be deferred to future conference agendas,

resolves

to recommend to the Council that a world radiocommunication conference be held in late 1999[1] for a period of four weeks, with the following agenda:

1 on the basis of proposals from administrations and the Report of the Conference Preparatory Meeting, taking account of the results of WRC-97, and with due regard to the requirements of existing and future services in the bands under consideration, to consider and take appropriate action in respect of the following topics:

1.1 requests from administrations to delete their country footnotes or to have their country name deleted from footnotes, if no longer required, in accordance with Resolution **26 (Rev.WRC-97)**;

1.2 to finalize remaining issues in the review of Appendix **S3** to the Radio Regulations with respect to spurious emissions for space services, taking into account Recommendation **66 (Rev.WRC-97)** and the decisions of WRC-97 on adoption of new values, due to take effect at a future time, of spurious emissions for space services;

1.3 to consider the results of ITU-R studies in respect of Appendix **S7/28** on the method for the determination of the coordination area around an earth station in frequency bands shared among space services and terrestrial radiocommunication services, and take the appropriate decisions to revise this Appendix;

1.4 to consider issues concerning allocations and regulatory aspects related to Resolutions **COM5-11, COM5-12, COM5-16, COM5-17, COM5-28** and **COM5-29**;

1.5 to consider regulatory provisions and possible additional frequency allocations for services using high altitude platform stations, taking into account the results of ITU-R studies conducted in response to Resolution **COM5-7**;

1.6 issues related to IMT-2000;

1.6.1 review of spectrum and regulatory issues for advanced mobile applications in the context of IMT-2000, noting that there is an urgent need to provide more spectrum for the terrestrial component of such applications and that priority should be given to terrestrial mobile spectrum needs, and adjustments to the Table of Frequency Allocations as necessary;

1.6.2 identification of a global radio control channel to facilitate multimode terminal operation and worldwide roaming of IMT-2000;

1.7 review the use of the HF bands by the aeronautical mobile (R) and maritime mobile services with a view to protecting the operational, distress and safety communications, taking into account Resolution **COM4-9**;

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[1] See Resolution **GTPLEN1-2**.

1.8 to consider regulatory and technical provisions to enable earth stations located on board vessels to operate in the fixed-satellite service networks in the bands 3 700 - 4 200 MHz and 5 925 - 6 425 MHz, including their coordination with other services allocated in these bands;

1.9 take into account the results of ITU-R studies in evaluating the feasibility of an allocation in the space-to-Earth direction to the mobile-satellite service in a portion of the 1 559 - 1 567 MHz frequency range, in response to Resolutions **213** and **COM5-31**;

1.10 to consider results of ITU-R studies carried out in accordance with Resolution **COM5-24** and take appropriate action on this subject;

1.11 to consider constraints on existing allocations and to consider additional allocations on a worldwide basis for the non-GSO/MSS below 1 GHz , taking into account the results of ITU-R studies conducted in response to Resolutions No. **214 (Rev.WRC-97)** and **COM5-25**;

1.12 to consider the progress of studies on sharing between feeder links of non-geostationary satellite networks in the mobile-satellite service and geostationary-satellite networks in the fixed-satellite service in the bands 19.3 - 19.7 GHz and 29.1 - 29.5 GHz, taking into account Resolution No. **121 (Rev. WRC-97)**;

1.13 on the basis of the results of the studies in accordance with Resolutions **COM5-18, COM5-19** and **COM5-23**:

1.13.1 review and, if appropriate, revise the power limits appearing in Articles **S21** and **S22** in relation to the sharing conditions among non-GSO FSS, GSO FSS, GSO BSS, space sciences and terrestrial services, to ensure the feasibility of these power limits and that these limits do not impose undue constraints on the development of these systems and services;

1.13.2 consider the inclusion of limits similar to those in Articles **S21** and **S22** in other frequency bands, or other regulatory approaches to be applied in relation to sharing situations;

1.14 review the results of the studies on the feasibility of implementing non-GSO MSS feeder links in the 15.43 - 15.63 GHz in accordance with Resolution **COM5-8**;

1.15 issues related to the radionavigation-satellite service:

1.15.1 to consider new allocations to the radionavigation-satellite service in the range from 1 to 6 GHz required to support developments;

1.15.2 to consider the addition of the space-to-space direction to the radionavigation-satellite service allocations in the bands 1 215 - 1 260 MHz and 1 559 - 1 610 MHz;

1.15.3 to consider the status of allocations to services other than the radionavigation-satellite (**S5.355** and **S5.359**) in the band 1 559 - 1 610 MHz;

1.16 to consider allocation of frequency bands above 71 GHz to the earth exploration-satellite (passive) and radio astronomy services, taking into account Resolution **COM5-1**;

1.17 to consider possible worldwide allocation for the earth exploration-satellite (passive) and space research (passive) services in the band 18.6 - 18.8 GHz, taking into account the results of the ITU-R studies;

1.18 consider the use of new digital technology for the maritime mobile service in the band 156 - 174 MHz and consequential revision of Appendix **S18/18**, taking into account Resolution **COM4-3**;

1.19 to consider the report of the IRG submitted by the Director of the Radiocommunication Bureau and determine whether it is possible to undertake replanning in accordance with Resolution **COM4-22** for completion by a subsequent competent conference;

1.20 to consider the issues related to the application of Nos. **S9.8**, **S9.9** and **S9.17** and the corresponding parts of Appendix **S5** with respect to Appendices **S30** and **S30A**, with a view to possible deletion of Articles 6 and 7 of Appendices **S30** and **S30A**, also taking into consideration Recommendation **35 (WRC-95)**;

1.21 consider the report from the Radiocommunication Bureau on results of the analysis in accordance with Resolution **COM4-20** and take appropriate actions;

2 to examine the revised ITU-R Recommendations incorporated by reference in the Radio Regulations which have been communicated by the 1999 Radiocommunication Assembly, in accordance with Resolution **28 (WRC-95)**; and decide whether or not to update the corresponding references in the Radio Regulations, in accordance with principles contained in the Annex to Resolution **27 (Rev.WRC-97)**;

3 to consider such consequential changes and amendments to the Radio Regulations as may be necessitated by the decisions of the Conference;

4 in accordance with Resolution **GTPLEN1-1**, to review the Resolutions and Recommendations of previous conferences with a view to their possible revision, replacement or abrogation;

5 to review, and take appropriate action on, the report from the Radiocommunication Assembly submitted in accordance with Nos. 135 and 136 of the Convention (Geneva, 1992);

6 to identify those items requiring urgent actions by the radiocommunication study groups in preparation for the 2001 World Radiocommunication Conference (WRC-01);

7 in accordance with Article 7 of the Convention (Geneva, 1992):

7.1 to consider and approve the report of the Director of the Radiocommunication Bureau on the activities of the Radiocommunication Sector since WRC-97;

7.2 to recommend to the Council items for inclusion in the agenda for WRC-01, and to give its views on the preliminary agenda for the 2003 Conference and on possible agenda items for future conferences,

further resolves

8 to recommend to the Council that extra budgetary and conference resources be provided so that the following items can be included in this agenda for WRC-99:

8.1 to consider the regulatory and technical provisions for the quasi-geostationary satellite networks;

8.2 to examine the spectrum requirements for telemetry, tracking, and telecommand of fixed-satellite service networks operating with service links in the frequency bands above 17 GHz;

8.3 to review the use of the frequency band 415 - 526.5 kHz by the aeronautical radionavigation and maritime mobile services;

8.4 to review the use of the HF bands by the aeronautical mobile (R) and maritime mobile services with a view to meeting the changing needs of these services;

8.5 to consider possible extension of the allocation to the mobile-satellite service (Earth-to-space) on a secondary basis in the band 14.0 - 14.5 GHz to cover aeronautical applications as stipulated in Resolution **COM5-2**;

8.6 to consider the provision of up to 3 MHz of frequency spectrum for the implementation of telecommand links in the space research and space operation services in the frequency range between 100 MHz and 1 GHz, taking into account Resolution **COM5-1**;

8.7 to consider provision of up to 6 MHz of frequency spectrum to the earth exploration-satellite service (active) in the frequency band 420 - 470 MHz, in accordance with Resolution **COM5-13**;

8.8 consideration of changes to the allocations in Region 3 for the band 1 350 - 1 400 MHz to permit co-primary use by the fixed service;

invites the Council

to finalize the agenda and arrange for the convening of WRC-99 and to initiate as soon as possible the necessary consultation with Member States,

instructs the Director of the Radiocommunication Bureau

to make the necessary arrangements to convene meetings of the Conference Preparatory Meeting and to prepare a report to WRC-99,

instructs the Secretary-General

to communicate this Resolution to concerned international and regional organizations.

RESOLUTION GTPLEN1-4 (WRC-97)

PRELIMINARY AGENDA FOR THE 2001 WORLD RADIOCOMMUNICATION CONFERENCE

The World Radiocommunication Conference (Geneva, 1997),

considering

a) that in accordance with Nos. 118 and 126 of the Convention of the International Telecommunication Union (Geneva, 1992), the general scope of the agenda for the 2001 World Radiocommunication Conference (WRC-01) should be established four years in advance;

b) Article 13 of the Constitution of the International Telecommunication Union (Geneva, 1992) regarding the competence and scheduling of world radiocommunication conferences and Article 7 of the Convention (Geneva, 1992) regarding their agendas;

c) the relevant Resolutions and Recommendations of previous world administrative radio conferences and world radiocommunication conferences,

resolves to give the view

that the following items should be included in the preliminary agenda of WRC-01, to be held in late 2001:

1 to take appropriate action in respect of those urgent issues that were specifically requested by the 1999 World Radiocommunication Conference (WRC-99);

2 on the basis of proposals from administrations and the Report of the Conference Preparatory Meeting, and taking account of the results of WRC-99, to consider and take appropriate action in respect of the following topics:

2.1 requests from administrations to delete their country footnotes or to have their country name deleted from footnotes, if no longer required, taking into account Resolution **26 (WRC-97)**;

2.2 consideration of Article **S25** concerning the amateur and amateur-satellite services;

2.3 issues related to Appendix **S3**:

2.3.1 to consider the results of studies regarding the boundary between spurious and out-of-band emissions;

2.3.2 to consider the inclusion of general limits for out-of-band emissions in the Radio Regulations, in particular with regard to whether it is appropriate to do so, taking into account the results of ITU-R studies;

2.4 review of the frequency and channel arrangements in the MF and HF bands allocated on a primary basis to the maritime-mobile service, taking into account the use of new digital technology, in accordance with Resolution **COM4-10**;

2.5 to review in Appendix **S2/7** the Table of Transmitter Frequency Tolerances, taking into account the frequency tolerance limits specified in Recommendation ITU-R SM.1045;

2.6 to consider the status of allocations to the radiolocation service in the bands around 3.0 GHz and around 5.5 GHz; [the date of a conference is under discussion];

2.7 sharing between the FSS and FS in the 19 GHz band, when used bidirectionally by the FSS to provide feeder links for non-geostationary satellite systems in the mobile-satellite service;

2.8 to consider spectrum requirements for wideband aeronautical telemetry in the band between 3 and 30 GHz;

2.9 review of allocations to the space-research service (deep space) (space-to-Earth) and the inter-satellite service in the frequency range 32 - 32.3 GHz with a view to improving the sharing conditions between these services;

2.10 to consider Appendix **S13** and Resolution **331 (Rev.WRC-97)** with a view to their deletion and, if appropriate, consider related changes to Chapter SVII and other provisions of the Radio Regulations as necessary, taking into account the continued transition to the Global Maritime Distress and Safety System (GMDSS);

2.11 to consider the results of studies, and take necessary actions relating to:

2.11.1 the exhaustion of the maritime mobile service identity numbering resource (Resolution **COM4-5**);

2.11.2 shore-to-ship distress communication priorities (Resolution **COM4-11**);

2.12 consideration of the need to realign the allocations to the amateur, amateur-satellite and broadcasting services around 7 MHz on a worldwide basis, taking into account Recommendation **718 (WARC-92)**;

2.13 examination of the adequacy of the frequency allocations for HF broadcasting from about 4 MHz to 10 MHz, taking into account the seasonal planning procedures adopted by WRC-97, and to consider bringing forward the date of availability of the HF bands allocated by WARC-92 to the broadcasting service in response to Resolution **COM4-16** and Resolution **COM4-14**;

3 to consider the results of the studies related to the following with a view to considering them for inclusion in the agendas of future conferences:

3.1 Resolution **528 (WARC-92)**;

3.2 possible allocations in the frequency bands above 275 GHz;

3.3 potential for sharing around 4 300 MHz between radio altimeters and space-based passive earth sensors;

3.4 additional allocations on a worldwide basis for the non-GSO/MSS with service links operating below 1 GHz in accordance with Resolution **COM5-14**;

3.5 allocations on a worldwide basis for feeder links in bands around 1.4 GHz to the non-geostationary mobile-satellite services with service links operating below 1 GHz, taking into account the results of ITU-R studies conducted in response to Resolution **COM5-15**;

3.6 use of frequency adaptive systems in the MF/HF bands in accordance with Resolution **COM4-7**;

3.7 allocation of the frequency band 14.5 - 14.8 GHz to the fixed-satellite service (Earth-to-space) in Region 3 (expansion of FSS to include other than feeder links of the BSS);

4 to examine the revised ITU-R Recommendations incorporated by reference in the Radio Regulations which have been communicated by the 2001 Radiocommunication Assembly, in accordance with Resolution **28 (WRC-95)**; and decide whether or not to update the corresponding references in the Radio Regulations, in accordance with the principles contained in the Annex to Resolution **27 (Rev.WRC-97)**;

5 to consider such consequential changes and amendments to the Radio Regulations as may be necessitated by the decisions of the Conference;

6 in accordance with Resolution **GTPLEN1-1**, to review those Resolutions and Recommendations of the previous conferences with a view to their possible revision, replacement or abrogation;

7 to review, and take appropriate action on, the report from the Radiocommunication Assembly submitted in accordance with Nos. 135 and 136 of the Convention of the ITU (Geneva, 1992);

8 to identify those items requiring urgent action by the radiocommunication study groups;

9 in accordance with Article 7 of the Convention of the ITU (Geneva, 1992):

9.1 to consider and approve the Report of the Director of the Radiocommunication Bureau on the activities of the Radiocommunication Sector since WRC-99;

9.2 to recommend to the Council items for inclusion in the agenda for the 2003 World Radiocommunication Conference,

invites the Council

to consider the views given in this Resolution,

instructs the Director of the Radiocommunication Bureau

to make the necessary arrangements to convene meetings of the Conference Preparatory Meeting and to prepare a report to WRC-01,

instructs the Secretary-General

to communicate this Resolution to concerned international and regional organizations.

RESOLUTION GTPLEN2-1 (WRC-97)

ADMINISTRATIVE DUE DILIGENCE APPLICABLE TO SOME SATELLITE COMMUNICATION SERVICES

The World Radiocommunication Conference (Geneva, 1997),

considering

a) that Resolution **18** of the ITU Plenipotentiary Conference (Kyoto, 1994) instructed the Director of the Radiocommunication Bureau to initiate a review of some important issues concerning international satellite network coordination and make a preliminary report to WRC-95 and a final report to WRC-97;

b) that the Director of the Radiocommunication Bureau provided a comprehensive report to WRC-97 including a number of recommendations for action as soon as possible and identifying areas requiring further study;

c) that one of the recommendations in the Director's report was that administrative due diligence should be adopted as a means of addressing the problem of reservation of orbit and spectrum capacity without actual use;

d) that experience may need to be gained in the application of the administrative due diligence procedures adopted by this Conference, and that several years may be needed to see whether administrative due diligence measures produce satisfactory results;

e) that new regulatory approaches may need to be carefully considered in order to avoid adverse effects on networks already going through the different phases of the procedures;

f) that Article **44** of the Constitution (Geneva, 1992) sets out the basic principles for the use of the radio-frequency spectrum and the geostationary-satellite orbit, taking into account the needs of developing countries,

considering further

that this Conference has decided to reduce the regulatory time-frame for bringing a satellite network into use,

resolves

1 that the administrative due diligence procedure contained in Annex 1 to this Resolution shall be applied as from 22 November 1997 for a satellite network or satellite system of the fixed-satellite service, mobile-satellite service or broadcasting-satellite service for which the advance publication information under **S9.2B**, or for which the request for modifications of the Plans under Article **4**, paragraph 4.1 b) of Appendices **30** and **30A** that involve the addition of new frequencies or orbit positions, or for which the request for modifications of the Plans under Article **4**, paragraph 4.1 a) of Appendices **30** and **30A** that extends the service area to another country or countries in addition to the existing service area, or for which the submission of information of Annex 2 of Appendix **30B** under supplementary provisions applicable to additional uses in the planned bands as defined in Article **2** of that Appendix (Section III of Article **6** of Appendix **30B**) has been received by the Bureau from 22 November 1997;

2 that for a satellite network or satellite system within the scope of paragraphs 1, 2 or 3 of Annex 1 to this Resolution not yet recorded in the MIFR, for which the advance publication information under **RR 1042** or the request for a modification to the Plans of Appendices **30** and **30A** or for the application of Section III of Article **6** of Appendix **30B** has been received by the Bureau before 22 November 1997, the responsible administration shall submit to the Bureau the complete due diligence information in accordance with Annex 2 to this Resolution not later than 21 November 2003, or before the expiry of the original notified period for bringing the satellite network into use, plus any extension period which shall not exceed three years pursuant to the application of **RR 1550** or the dates specified in the relevant provisions of Appendix **30** (4.3.5), Appendix **30A** (4.2.5 and 4.2.6) or Appendix **30B** (6.57), whichever date comes earlier. If the date of bringing into use, including extension specified above, is before 1 July 1998, the responsible administration shall submit to the Bureau the complete due diligence information in accordance with Annex 2 to this Resolution not later than 1 July 1998;

3 that for a satellite network or satellite system within the scope of paragraphs 1, 2 or 3 of Annex 1 to this Resolution recorded in the MIFR, the responsible administration shall submit to the Bureau the complete due diligence information in accordance with Annex 2 to this Resolution not later than 21 November 2000;

4 that six months before the expiry date specified in *resolves* 2 or 3 above, if the responsible administration has not submitted the due diligence information, the Bureau shall send a reminder to that administration;

5 that if the due diligence information is found to be incomplete, the Bureau shall immediately request the administration to submit the missing information. In any case, the complete due diligence information shall be received by the Bureau before the expiry date specified in *resolves* 2 or 3 above, as appropriate, and shall be published by the Bureau in the Weekly Circular;

6 that if the complete due diligence information is not received by the Bureau before the expiry date specified in *resolves* 2 or 3 above, the request for coordination or request for a modification to the Plans of Appendices **30** and **30A** or for application of Section III of Article **6** of Appendix **30B** as covered by *resolves* 1 above submitted to the Bureau shall be cancelled. Any modifications of the Plans (Appendices **30** and **30A**) shall lapse and any recording in the MIFR as well as recordings in the Appendix **30B** List shall be deleted by the Bureau after it has informed the concerned administration. The Bureau shall publish this information in the Weekly Circular,

further resolves

that the procedures in this Resolution are in addition to the provisions under Article **S9** or **S11** or Appendices **30, 30A** or **30B**, as applicable, and, in particular, do not affect the requirement to coordinate under those provisions (Appendices **30, 30A**) in respect of extending the service area to another country or countries in addition to the existing service area,

instructs the Director of the Radiocommunication Bureau

to report to the next competent World Radiocommunication Conference [(WRC-99)] and future world radiocommunication conferences on the results of the implementation of the administrative due diligence procedure,

instructs the Secretary-General

to bring this Resolution to the attention of the 1998 Plenipotentiary Conference.

ANNEX 1 TO RESOLUTION GTPLEN2-1 (WRC-97)

1 Any satellite network or satellite system of the fixed-satellite service, mobile-satellite service or broadcasting-satellite service with frequency assignments that are subject to coordination under **S9.7**, **S9.8**, **S9.9**, **S9.11**, **S9.12**, **S9.13**, Resolution **33** and Resolution **46** shall be subject to these procedures.

2 Any modifications of the Plans under Article **4**, paragraph 4.1 b) of Appendices **30** and **30A** that involve the addition of new frequencies or orbit positions or modifications of the Plans under Article **4**, paragraph 4.1 a) of Appendices **30** and **30A** that extend the service area to another country or countries in addition to the existing service area shall be subject to these procedures.

3 Any submission of information under Annex 2 of Appendix **30B** under supplementary provisions applicable to additional uses in the planned bands as defined in Article **2** of that Appendix (Section III of Article **6** of Appendix **30B**) shall be subject to these procedures.

4 An administration requesting coordination for a satellite network under 1 above shall send to the Bureau as early as possible before bringing into use, but in any case not to be received before the end of the 5-year period established as a limit to bringing into use **S9.1**, the due diligence information relating to the identity of the satellite network and the spacecraft manufacturer specified in Annex 2 to this Resolution.

5 An administration requesting a modification of the Plans of Appendices **30** and **30A** under 2 above shall send to the Bureau as early as possible before bringing into use, but in any case to be received before the end of the period established as a limit to bringing into use in accordance with Appendix 30, paragraph 4.3.5, and with Appendix 30A, paragraphs 4.2.5 and 4.2.6, the due diligence information relating to the identity of the satellite network and the spacecraft manufacturer specified in Annex 2 to this Resolution.

6 An administration applying Section III of Article 6 of Appendix **30B** relating to additional uses under 3 above shall send to the Bureau as early as possible before the bringing into use, but in any case to be received before the bringing into use, the due diligence information relating to the identity of the satellite network and the spacecraft manufacturer specified in Annex 2 to this Resolution.

7 The information to be submitted in accordance with 4, 5 or 6 above shall be signed by an authorized official of the notifying administration or of an administration that is acting on behalf of a group of named administrations.

8 On receipt of the due diligence information under 4, 5 or 6 above, the Bureau shall promptly examine that information for completeness. If the information is found to be complete, the Bureau shall publish the complete information in a special section of the Weekly Circular within 30 days.

9 If the information is found to be incomplete, the Bureau shall immediately request the administration to submit the missing information. In all cases, the complete due diligence information shall be received by the Bureau within the appropriate time period specified in 4, 5 or 6 above, as the case may be, relating to the date of bringing the satellite network into use.

10 Six months before expiry of the period specified in 4, 5 or 6 above and if the administration responsible for the satellite network has not submitted the due diligence information under 4, 5 or 6 above, the Bureau shall send a reminder to the responsible administration.

11 If the complete due diligence information is not received by the Bureau within the time limits specified in this Resolution, the networks covered by 1, 2 or 3 above shall no longer be taken into account and shall not be recorded in the MIFR. The provisional recording in the MIFR shall be deleted by the Bureau after it has informed the concerned administration. The Bureau shall publish this information in the Weekly Circular.

With respect to the request for modification of the Plans of Appendices **30** and **30A** under 2 above, the modification shall lapse if the due diligence information is not submitted in accordance with this Resolution.

With respect to the request for application of Section III of Article **6** of Appendix **30B** under 3 above, the network shall also be deleted from the Appendix **30B** List, if applicable.

12 Before the Bureau extends the date of bringing into use under **S11.44**, the complete due diligence information under 4 above shall have been submitted by the responsible administration.

13 An administration notifying a satellite network under 1, 2 or 3 above for recording in the MIFR shall send to the Bureau as early as possible before bringing into use, but in any case before the date of bringing into use, the due diligence information relating to the identity of the satellite network and the launch services provider specified in Annex 2 to this Resolution.

14 When an administration has completely fulfilled the due diligence procedure but has not completed coordination, this does not preclude the application of **S11.41** by that administration.

ANNEX 2 TO RESOLUTION GTPLEN2-1 (WRC-97)

A	**Identity of the satellite network**
a)	Identity of the satellite network
b)	Name of the administration
c)	Country symbol
d)	Reference to the advance publication information or to the request for modification of the plans in **AP30/30A**
e)	Reference to the request for coordination (not applicable for **AP30/30A**)
f)	Frequency band(s)
g)	Name of the operator
h)	Name of the satellite
i)	Orbital characteristics
B	**Spacecraft manufacturer***
a)	Name of the spacecraft manufacturer
b)	Date of execution of the contract
c)	Contractual "delivery window"
d)	Number of satellites procured
C	**Launch services provider**
a)	Name of the launch vehicle provider
b)	Date of execution of the contract
c)	Anticipated launch or in-orbit delivery window
d)	Name of the launch vehicle
e)	Name and location of the launch facility

* NOTE - In cases where a contract for satellite procurement covers more than one satellite, the relevant information shall be submitted for each satellite.

RESOLUTION COM4-1 (WRC-97)

NEED FOR ADDITIONAL SEARCH AND RESCUE INFORMATION IN DATABASES

The World Radiocommunication Conference (Geneva, 1997),

noting

a) that the provisions of No. **S20.16** of Article **S20** of the simplified Radio Regulations require administrations to notify the Radiocommunication Bureau of ship station characteristics contained in the List of Ship Stations (List V), which currently includes:

> name of ship, call sign, selective call number, country, auxiliary installations, class of ship, nature of service, hours of service, telegraph transmission frequency bands, telephone transmission frequency bands, accounting authority, and remarks (e.g. Inmarsat terminal number, MMSI);

b) that the provisions of No. **S20.15**, however, give the Bureau authority to change the content and form of this information in consultation with administrations; and

c) that administrations and IMO have expressed a need for additional information to be included in search and rescue databases, including:

- vessel identification number (IMO number or national registration number);
- name, address and telephone number and, if applicable, telefax number of emergency contact person ashore;
- alternative 24-hour emergency telephone number;
- capacity for persons on board (passengers and crew),

resolves

to instruct the Director of the Radiocommunication Bureau to begin consultations with administrations with a view to incorporating the information contained in the Annex into the ITU maritime services database,

invites

administrations to consider also the incorporation of that information in their national databases,

instructs the Secretary-General

to communicate this Resolution to the International Maritime Organization.

ANNEX TO RESOLUTION COM4-1 (WRC-97)

REGISTRATION DATABASE FOR THE GLOBAL MARITIME DISTRESS AND SAFETY SYSTEM

(See Article **S32**)

1 All identities used by the GMDSS for identifying vessels in distress shall be registered in accordance with this Annex. Administrations or organizations responsible for assigning these identities shall make suitable arrangements for ensuring registrations of these identities are made and maintained. Administrations shall notify this information to the Radiocommunication Bureau in accordance with No. **S20.16**.

2 Means shall be provided by the Radiocommunication Bureau and administrations maintaining national databases to allow rescue coordination centres immediate access to this database on a 24-hour per day, 7-day per week basis.

3 Each registration database should include the following information:

1) vessel name;

2) Maritime Mobile Service Identity (MMSI);

3) radio call sign;

4) EPIRB identification code (if applicable);

5) country (vessel flag state; may be derived from MMSI and call sign);

6) vessel identification number (IMO number or national registration number);

7) brief ship description (type);

8) name, address, telephone and (if applicable) telefax number of emergency contact person ashore;

9) alternative 24-hour emergency telephone number;

10) capacity for persons on board (passengers and crew);

11) ship's radio installation (Inmarsat A, B, C, M, VHF DSC, etc.); and

12) Inmarsat ship earth station identities (if applicable).

RESOLUTION COM4-2 (WRC-97)

UHF FREQUENCIES USED IN THE MARITIME MOBILE SERVICE FOR ON-BOARD COMMUNICATION

The World Radiocommunication Conference (Geneva, 1997),

considering

that this Conference has adopted the introduction of channel spacing of 12.5 kHz for maritime UHF on-board communications to be used on a voluntary basis,

noting

that Recommendation ITU-R M.1174 contains the characteristics of equipment used for on-board communications in the bands between 450 and 470 MHz,

resolves to invite ITU-R

to modify this Recommendation by including also the characteristics of the equipment using the new 12.5 kHz channel spacing,

urges administrations

to submit contributions to ITU-R,

instructs the Secretary-General

to communicate this Resolution to the International Maritime Organization.

RESOLUTION COM4-3 (WRC-97)

REVIEW OF NEW TECHNOLOGY TO PROVIDE IMPROVED EFFICIENCY IN THE USE OF THE BAND 156 - 174 MHz BY STATIONS IN THE MARITIME MOBILE SERVICE

The World Radiocommunication Conference (Geneva, 1997),

considering

a) that the agenda of this Conference included the consideration of the use of Appendix **S18** to the Radio Regulations in respect of maritime mobile communications and the use of new technology for maritime radiotelephony channels;

b) Recommendation **318 (Mob-87)**;

c) that Appendix **S18** identifies frequencies to be used for distress and safety communications on an international basis;

d) that the introduction of new technology in the maritime mobile service shall not disrupt the distress and safety communications in the VHF band including those established by the International Convention for the Safety of Life at Sea (SOLAS), 1974 as amended;

e) that the ITU Radiocommunication Sector is conducting studies on improving efficiency in the use of this band, and that these studies are still ongoing;

f) that changes made in Appendix **S18** should not prejudice the future use of these frequencies or the capabilities of systems or new applications required for use by the maritime mobile service;

g) that the congestion on Appendix **S18** frequencies calls for the implementation of efficient new technologies;

h) that the use of new technology on maritime VHF frequencies will make it possible to better respond to the emerging demand for new services,

noting

that some administrations are considering adopting some of the above changes to their operations within the Appendix **S18** frequencies,

resolves

that WRC-99 should consider the use of new technology in the band 156 - 174 MHz and consequential revision of Appendix **S18**,

invites ITU-R

to continue studies on the following with a view to providing a report to the WRC-99:

i) to identify the future requirements of the maritime mobile service;

ii) to identify suitable technical characteristics of the system or interoperable systems to replace existing technology;

iii) to identify necessary modifications to the frequency plan contained within Appendix **S18**;

iv) to recommend a timetable for the introduction of new technology and the necessary changes;

v) to study and recommend how new technology can be introduced without harming the distress and safety requirements,

instructs the Secretary-General

to communicate this Resolution to the International Maritime Organization.

RESOLUTION COM4-4 (WRC-97)

MARITIME CERTIFICATION FOR PERSONNEL OF SHIP STATIONS AND SHIP EARTH STATIONS FOR WHICH A RADIO INSTALLATION IS NOT COMPULSORY

The World Radiocommunication Conference (Geneva, 1997),

considering

a) that this Conference has considered the question of certification for personnel of ship stations and ship earth stations within the GMDSS;

b) that GMDSS will be fully implemented on 1 February 1999 by ships subject to an international agreement;

c) that ships not subject to international agreement have begun to adopt GMDSS systems and techniques;

d) that use of GMDSS equipment should be accompanied by appropriate training and certification;

e) that the Radio Regulations stipulate that the service of every ship radio station working on frequencies assigned for international use shall be performed by operators holding a certificate;

f) that the present certificates described in Article S47 of the Radio Regulations may be too demanding for radio operators of ship stations and ship earth stations on board ships for which a radio installation is not compulsory,

noting

that a number of administrations currently issue radio operator certificates specially designed for the non-compulsory sector,

resolves

that administrations wishing to implement special certification for the non-compulsory sector should implement the certificates contained in the Annex to this Resolution,

invites ITU-R

to develop a Recommendation describing these certificates,

instructs the Secretary-General

to bring this Resolution to the attention of the International Maritime Organization.

ANNEX TO RESOLUTION COM4-4 (WRC-97)

EXAMINATION SYLLABUS FOR RADIO OPERATOR'S CERTIFICATES APPROPRIATE TO VESSELS USING THE FREQUENCIES AND TECHNIQUES OF THE GMDSS ON A NON-COMPULSORY BASIS

Introduction

The introduction of the Global Maritime Distress and Safety System (GMDSS) in February 1992 made it necessary to harmonize the examination requirements for certificates for professional radio personnel. Harmonized examination procedures for the General Operator's Certificate and Restricted Operator's Certificate, based on the syllabi described in Article S47 of the Radio Regulations, have already been introduced for maritime radio operators performing radiocommunication duties on board vessels subject to the International Convention for the Safety of Life at Sea (1974), as amended (SOLAS). The GMDSS will be fully implemented on 1 February 1999 for vessels subject to SOLAS.

For vessels not subject to SOLAS, and which install radiocommunication equipment on a voluntary basis, there are significant advantages to also using the GMDSS. However, it was foreseen by some administrations that such vessels would use some, but not all, of the frequencies and techniques of the GMDSS and that radio personnel on board such vessels would not need the same level of certification as radio personnel on board vessels which use all of the frequencies and techniques of the GMDSS on a compulsory basis. A syllabus has been developed which provides the flexibility for a depth of study, level of knowledge, and length of course appropriate to meet the certification requirements of radio personnel on board vessels which use some of the frequencies and techniques of the GMDSS on a non-compulsory basis. The syllabus also provides for certification in the use of satellite equipment where appropriate.

This Annex describes the syllabus developed to meet the certification requirements described above, and which are implemented in a number of countries under the title "Long Range Certificate" and "Short Range Certificate". The Short Range Certificate should at least contain those elements of the syllabus which are relevant to sea area A1.

Examination syllabus

The examination should consist of theoretical and practical tests and should include at least:

A GENERAL KNOWLEDGE OF RADIOCOMMUNICATIONS IN THE MARITIME MOBILE SERVICE

A1 The general principles and basic features of the maritime mobile service.

B DETAILED PRACTICAL KNOWLEDGE AND ABILITY TO USE RADIO EQUIPMENT

B1 The VHF radio installation. Use of VHF equipment in practice.

B2 The MF/HF radio installation. Use of MF/HF equipment in practice.

B3 Purpose and use of Digital Selective Calling (DSC) facilities and techniques.

C OPERATIONAL PROCEDURES OF THE GMDSS AND DETAILED PRACTICAL OPERATION OF GMDSS SUBSYSTEMS AND EQUIPMENT

C1 Basic introduction to Global Maritime Distress and Safety System (GMDSS) procedures.

C2 Distress, urgency and safety communication procedures in the GMDSS.

C3 Distress, urgency and safety communication procedures by radiotelephony in the old distress and safety system.

C4 Protection of distress frequencies.

C5 Maritime Safety Information (MSI) systems in the GMDSS.

C6 Alerting and Locating Signals in the GMDSS.

D OPERATIONAL PROCEDURES AND REGULATIONS FOR RADIOTELEPHONE COMMUNICATIONS

D1 Ability to exchange communications relevant to the safety of life at sea.

D2 Regulations, obligatory procedures and practices.

D3 Practical and theoretical knowledge of radiotelephone procedures.

D4 Use of the international phonetic alphabet and, where appropriate, parts of the IMO Standard Marine Communication Phrases.

E OPTIONAL EXAMINATION MODULE FOR THE MARITIME MOBILE-SATELLITE SERVICE FOR VESSELS NOT SUBJECT TO A COMPULSORY FIT

E1 The general principles and basic features of the maritime mobile-satellite service.

E2 Operational procedures and detailed practical operation of ship earth stations in the GMDSS.

RESOLUTION COM4-5 (WRC-97)

EXHAUSTION OF THE MARITIME MOBILE SERVICE IDENTITY NUMBERING RESOURCE

The World Radiocommunication Conference (Geneva, 1997),

noting

a) that ships not required to carry GMDSS equipment may do so, for safety purposes;

b) that Digital Selective Calling Equipment on such ships for VHF radio, and/or Inmarsat ship earth station equipment requires the assignment of a unique Maritime Mobile Service Identity (MMSI);

c) that not all administrations assign these identities to users of digital selective calling-equipped VHF radios on such ships, from the numbers intended for use by vessels sailing and communicating only with domestic coast stations,

considering

a) that VHF digital selective calling distress alerts require valid identities for use by search and rescue authorities;

b) that Recommendation ITU-R M.585 contains guidance for the assignment of MMSIs, including to non-compulsory ships which communicate only with domestic radio stations; and

c) that Recommendation ITU-R M.585 was derived from ITU-T Recommendation E.210,

recognizing

a) that even domestic ships which install Inmarsat will require the assignment of MMSI numbers from those numbers reserved for ships communicating worldwide, further depleting the resource; and

b) that future growth of Inmarsat B, C and M mobile earth station use by non-compulsory ships is not, however, expected to deplete the resource, however;

c) that growth projections of Inmarsat systems by non-compulsory ships could change,

noting further

that ITU-R can monitor the status of the MMSI resource by monitoring the available spare Maritime Identification Digits (first three digits of the MMSI),

instructs the Director of the Radiocommunication Bureau

to monitor the status of the MMSI resource, and to report to each WRC as to the anticipated reserve capacity and expected exhaustion of the resource,

resolves to invite ITU-T and ITU-R

1 to keep under review the Recommendations for assigning Maritime Mobile Service Identities, with a view to identifying alternative resources before the resources are exhausted;

2 to consult each other when addressing changes to any of the Recommendations affecting the MMSI numbering resources; and

3 to complete studies on an urgent basis when a future WRC identifies the impending exhaustion of the MMSI resource,

instructs the Secretary-General

to communicate this Resolution to the International Maritime Organization.